

What Is Claimed Is:

1. An accumulation display device comprising:
a reception unit that receives a currently
broadcasted program content and trigger information for
special reproduction of the program content;

an accumulation unit that accumulates the program
content and trigger information;

a metadata interpretation unit that interprets the
trigger information of the currently broadcasted or the
accumulated program content and outputs mode information
for special reproduction; and

an accumulated image processing unit that extracts
at least a part of the accumulated program content based
on the mode information from the trigger information,
restructures the program content extracted based on the
mode information, and outputs the restructured program
content.

2. The accumulation display device according to
claim 1, wherein the trigger information includes mode
information for performing special reproduction of at
least any one of interlocked reproduction, replay
reproduction, highlight reproduction, and follow
reproduction of a currently viewed program content.

3. The accumulation display device according to
claim 2, further comprising a display unit that displays
the currently broadcasted or the accumulated program

content and the mode information for special reproduction.

4. The accumulation display device according to claim 1, wherein the accumulated image processing unit extracts, according to a request of mode information for special reproduction from a sub-display device receiving a restructured program content, at least a part of the accumulated program content based on trigger information received after the request or the latest trigger information of the request, and outputs the restructured program content.

5. The accumulation display device according to claim 1, further comprising a sub-display device management unit that manages terminal information including a terminal ID and performance of at least one sub-display device receiving a restructured program content,

wherein the accumulated image processing unit processes and outputs a program content according to performance of each sub-display device.

6. A mobile data terminal comprising:

an input unit that receives an input from a user;

a transmission unit that transmits user select information received by the input unit to the accumulation display device according to claim 1;

a reception unit that receives PUSH delivery of a program content restructured based on the user select

information from the accumulation display device; and
a display unit that displays the received and
restructured program content.

7. The accumulation display device according to
claim 1,

wherein the reception unit further receives index
information associating a currently broadcasted program
content with an index,

the accumulation means further accumulates the
index information,

the metadata interpretation unit further
interprets the index information, and

the accumulated image processing unit further
extracts at least a part of the program content from the
index information based on contents of the trigger
information, restructures the program content extracted
based on the mode information, and outputs the
restructured program content.

8. The accumulation display device according to
claim 7, wherein the index information includes a program
ID for identifying a program corresponding to the index
information, an ID for identifying the index information,
starttime data of the corresponding program, and
finishtime data of the corresponding program.

9. The accumulation display device according to
claim 8, wherein the index information further includes
meaning information describing contents of a program

content specified by an index at a keyword level.

10. The accumulation display device according to claim 7, wherein the trigger information includes one or more of a program ID for identifying a program corresponding to the trigger information, mode information for identifying the trigger information, starttime specifying an extracted scene, and extraction time, thereby specifying timing transmitting at least a part of the program content to the mobile data terminal.

11. The accumulation display device according to claim 7, wherein the trigger information includes a program ID for identifying a program corresponding to the trigger information, mode information for identifying the trigger information, and a specified index ID for identifying specified index information, thereby specifying timing transmitting at least a part of the program content to the mobile data terminal.

12. The accumulation display device according to claim 12, wherein the trigger information further includes meaning information describing a program content associated with index information at a keyword level, and grading index information of weight of the meaning information according to a degree of importance of the program content.

13. The accumulation display device according to claim 7, wherein the accumulated image processing unit adds, to the restructured program content, superimpose

information displayed as an image separate from the program content, and changes and restructures time of each partial program content at restructuring the partial program content based on meaning information included in the trigger information and the index information.

14. The accumulation display device according to claim 13, wherein the superimpose information is generated using any of meaning information of trigger information, a trigger name, and meaning information of index information.

15. The accumulation display device according to claim 12, wherein the trigger information includes accumulation instruction information instructing accumulation of the corresponding program content.

16. An interlocked display system comprising:
a reception unit that receives a currently broadcasted program content and trigger information for special reproduction of the program content;

accumulation means that accumulates the program content and trigger information;

a metadata interpretation unit that interprets the trigger information of the currently broadcasted or the accumulated program content and outputs mode information for special reproduction; and

an accumulated image processing unit that extracts at least a part of the accumulated program content based on the mode information from the trigger information,

restructures the program content extracted based on the mode information, and outputs the restructured program content, and

a mobile data terminal comprising:

an input unit that receives an input from a user;

a transmission unit that transmits user select information received by the input unit to the accumulation display device;

a reception unit that receives PUSH delivery of a program content restructured based on the user select information from the accumulation display device; and

a display unit that displays the received and restructured program content.

17. The interlocked display system according to claim 16, wherein the accumulation display device as a server transmits a restructured program content to the mobile data terminal via a network.

18. An interlocked display method using an accumulation display device reproducing a currently broadcasted program content and a data terminal interlocking with the accumulation display device to perform special reproduction of the program content,

the accumulation display device comprising the steps of:

receiving the currently broadcasted program content and trigger information for special reproduction of the program content;

accumulating the program content and trigger information;

extracting at least a part of the accumulated program content based on mode information from the trigger information, restructuring the program content extracted based on the mode information, and outputting the restructured program content, and

the data terminal comprising the steps of:

receiving PUSH delivery of the program content restructured from the accumulation display device; and

displaying the received and restructured program content.